

directing elements in each laterally extending row of each surface structure being parallel to the directing elements in the succeeding row of the succeeding surface structure on the opposing primary surface in the longitudinal direction.

3. (Twice Amended) A fluid conveying tube as claimed in claim 1, wherein each surface structure further comprises a laterally extending second row of mutually parallel directing elements, the directing elements of the second row being arranged at said angle (γ) relative to the directing elements of the first row.

Please cancel claim 19.

Please cancel claim 20.

Please also add the following new claim 21:

21. Means for effecting heat transfer in a heat exchanger, comprising:
 means for introducing a plurality of partial flows into a heat exchanger tube, the tube defining a longitudinal axis and
 means for imparting to each of said partial flows a swirling motion about the longitudinal axis, wherein said means for imparting said swirling motion comprises elongated directing elements on said surfaces of said tube.